



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Invention of Cooper, et al.
For: High Surface Area Zeolites and Methods for Preparation and Use Thereof
Filed: November 25, 2003
Serial No. 10/722,068
Atty. No. 5469-8
Examiner: Sample, D.
Art Unit: 1755

Response to Official Action Dated March 17, 2005

Sir:

Please amend the Claims as follows:

1. A zeolite of the faujasite structure having a silica to alumina molar ratio (bulk) of greater than about 13, a unit cell size in the range of from 24.10 to 24.40 Å, and a surface area of at least about 875 m²/g as measured by the BET method and ASTM D4365-95 with nitrogen adsorption at p/po values of 0.02, 0.03 and 0.04.
2. The zeolite of claim 1, which has an alkali level of less than about 0.5 weight percent based on the zeolite.
3. The zeolite of claim 1, which has a surface area of at least about 880 m²/g.
4. The zeolite of claim 1, which has a silica to alumina molar ratio in the range of from about 50 to about 1000.